



Maricopa-ASU Medical Laboratory Science (MDL) Pathway
College of Health Solutions
Catalog Year 2021-2022

Completion of the Maricopa-ASU Medical Lab Science Pathway and all special requirements prior to and after acceptance in the ASU BAS program earns MCCC Associate of Applied Science degree and ASU Medical Laboratory Science (BAS) degree.

Special Requirements:

A 2.50 GPA in the course work in Sections I, II, and III of the Pathway (taken in terms 1-4 below) is required for admission to the ASU Medical Laboratory Sciences BAS program. Student must be accepted into Medical Laboratory Science BAS program in order to proceed. Upon acceptance, students will be concurrently enrolled in Phoenix College and ASU and will complete courses listed in terms 5-9 below. All course work must be completed with a "C" or better.

Sequencing: Courses in Blue (PC) are Phoenix College courses. Courses in Black (ASU) are ASU courses.

| TERM ONE: 14 Credits 0-14 Credit Hours | | |
|--|--|---|
| PC | HCC 145AA: Medical Terminology for Health Care Workers | 1 |
| PC | CHM 151 General Chemistry I | 3 |
| PC | CHM 151L General Chemistry I Laboratory | 1 |
| PC | MAT 142 (MA): College Mathematics or higher | 3 |
| PC | ENG 101 First Year Composition OR ENG 107 for ESL | 3 |
| PC | Humanities (HU) OR Social & Behavioral (SB) AND Cultural Diversity (C), Global Awareness (G), OR Historical Awareness (H) ** | 3 |

| TERM TWO: 14 Credits 15-28 Credit Hours | | |
|---|--|---|
| PC | CHM 152 General Chemistry II | 3 |
| PC | CHM 152L General Chemistry II Laboratory | 1 |
| PC | BIO 181 General Biology I | 4 |
| PC | ENG 102 First Year Composition OR ENG 108 for ESL | 3 |
| PC | Humanities (HU) OR Social & Behavioral (SB) AND Cultural Diversity (C), Global Awareness (G), OR Historical Awareness (H) ** | 3 |

| TERM THREE: 14 Credits 29-42 Credit Hours | | |
|---|--|---|
| PC | BIO 182 General Biology II | 4 |
| PC | CHM 230 Fundamental Organic Chemistry | 3 |
| PC | CHM 230L Fundamental Organic Chemistry Laboratory | 1 |
| PC | Humanities (HU) OR Social & Behavioral (SB) AND Cultural Diversity (C), Global Awareness (G), OR Historical Awareness (H) ** | 3 |
| PC | Humanities (HU) OR Social & Behavioral (SB) AND Cultural Diversity (C), Global Awareness (G), OR Historical Awareness (H) ** | 3 |

*{12 humanities credits total, one from each sub-area}***

| TERM FOUR: 11 Credits 43-53 Credit Hours | | |
|---|--|---|
| PC | BIO 205 Microbiology | 4 |
| PC | COM 225 Public Speaking (L) | 3 |
| PC | BIO 160 Introduction to Human Anatomy and Physiology | 4 |
| Submit MDL application. If accepted into the MDL program, student will progress to terms 5-9. | | |

| Term Five—Fall 11 Credits 54-64 Credit Hours | | |
|---|--|---|
| ASU | Computer/Statistics/Quantitative (CS) Upper Division | 3 |
| ASU | Literacy and Critical Inquiry (L) Upper Division | 3 |
| ASU | Humanities (HU) Upper Division | 3 |
| The above courses are degree requirements, and must be taken prior to graduation. | | |
| PC | MDL 190 Clinical Laboratory Operations | 2 |

| Term Six—Spring 24 Credits 65-89 Credit Hours | | |
|---|--|---|
| ASU | MDL 410 Laboratory Leadership | 1 |
| PC | MDL 240 Clinical Urinalysis and Body Fluids | 3 |
| ASU | MDL 420 Advanced Clinical Urinalysis and Body Fluids | 2 |
| PC | MDL 242 Clinical Hematology and Hemostasis | 6 |
| ASU | MDL 430 Advanced Hematology and Hemostasis | 3 |
| PC | MDL 244 Clinical Immunohematology and Immunology | 6 |
| ASU | MDL 440 Advanced Immunohematology and Immunology | 3 |

| Term Seven—Summer 7.5 Credits 90-96 Credit Hours | | |
|--|--|----|
| PC | MDL 252 Clinical Preparation I | .5 |
| PC | MDL 241 Practicum: Clinical Urinalysis and Body Fluids | 1 |
| ASU | MDL 421 Advanced Practicum: Clinical Urinalysis and Body Fluids | 1 |
| PC | MDL 243 Practicum: Clinical Hematology and Hemostasis | 1 |
| ASU | MDL 431 Advanced Practicum: Clinical Hematology and Hemostasis | 1 |
| PC | MDL 245 Practicum: Clinical Immunohematology and Immunology | 1 |
| ASU | MDL 441 Advanced Practicum: Clinical Immunohematology and Immunology | 2 |

| Term Eight—Fall 18 Credits 97-114 Credit Hours | | |
|--|--|---|
| PC | MDL 246 Clinical Microbiology | 6 |
| ASU | MDL 450 Advanced Clinical Microbiology | 3 |
| PC | MDL 246 Clinical Chemistry | 6 |
| ASU | MDL 460 Advanced Clinical Chemistry | 3 |

| Term Nine—Spring 5.5 Credits 115-120 Credit Hours | | |
|---|---|----|
| PC | MDL 263 Clinical Preparation II | .5 |
| PC | MDL 247 Practicum: Clinical Microbiology | 1 |
| ASU | MDL 451 Advanced Practicum: Clinical Microbiology | 1 |
| PC | MDL 249 Practicum: Clinical Chemistry | 1 |
| ASU | MDL 461 Advanced Practicum: Clinical Chemistry | 1 |
| PC | MDL 291 Medical Laboratory Science Program Review | 1 |